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Sequence Listing was accepted.

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Reviewer: markspencer

Timestamp: Thu Jul 26 14:14:44 EDT 2007

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Application No: 10587714

Version No: 1.0

Input Set:

Output Set:

Started: 2007-07-26 10:40:21.100

Finished: 2007-07-26 10:40:22.185

Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 85 ms

Total Warnings: 16

Total Errors: 0

No. of SeqIDs Defined: 22

Actual SeqID Count: 22

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SEQUENCE LISTING

<110> Relton, Jane K.
 Engber, Thomas M.
 Strittmatter, Stephen M.

<120> Treatment of Conditions Involving Dopaminergic Neuronal
 Degeneration Using Nogo Receptor Antagonists

<130> 2159.0450001

<140> 10587714
 <141> 2007-07-26

<150> US 10/587,714
 <151> 2005-01-28

<150> PCT/US2005/002535
 <151> 2005-01-28

<150> US 60/540,798
 <151> 2004-01-30

<160> 22

<170> PatentIn version 3.3

<210> 1
 <211> 344
 <212> PRT
 <213> Homo sapiens

<400> 1

Met Lys Arg Ala Ser Ala Gly Gly Ser Arg Leu Leu Ala Trp Val Leu
 1 5 10 15

Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val
 20 25 30

Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
 35 40 45

Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu
 50 55 60

His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys
 65 70 75 80

Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile
 85 90 95

Asp	Ala	Ala	Ala	Phe	Thr	Gly	Leu	Ala	Leu	Leu	Glu	Gln	Leu	Asp	Leu	100	105	110
Ser	Asp	Asn	Ala	Gln	Leu	Arg	Ser	Val	Asp	Pro	Ala	Thr	Phe	His	Gly	115	120	125
Leu	Gly	Arg	Leu	His	Thr	Leu	His	Leu	Asp	Arg	Cys	Gly	Leu	Gln	Glu	130	135	140
Leu	Gly	Pro	Gly	Leu	Phe	Arg	Gly	Leu	Ala	Ala	Leu	Gln	Tyr	Leu	Tyr	145	150	155
Leu	Gln	Asp	Asn	Ala	Leu	Gln	Ala	Leu	Pro	Asp	Asp	Thr	Phe	Arg	Asp	165	170	175
Leu	Gly	Asn	Leu	Thr	His	Leu	Phe	Leu	His	Gly	Asn	Arg	Ile	Ser	Ser	180	185	190
Val	Pro	Glu	Arg	Ala	Phe	Arg	Gly	Leu	His	Ser	Leu	Asp	Arg	Leu	Leu	195	200	205
Leu	His	Gln	Asn	Arg	Val	Ala	His	Val	His	Pro	His	Ala	Phe	Arg	Asp	210	215	220
Leu	Gly	Arg	Leu	Met	Thr	Leu	Tyr	Leu	Phe	Ala	Asn	Asn	Leu	Ser	Ala	225	230	235
Leu	Pro	Thr	Glu	Ala	Leu	Ala	Pro	Leu	Arg	Ala	Leu	Gln	Tyr	Leu	Arg	245	250	255
Leu	Asn	Asp	Asn	Pro	Trp	Val	Cys	Asp	Cys	Arg	Ala	Arg	Pro	Leu	Trp	260	265	270
Ala	Trp	Leu	Gln	Lys	Phe	Arg	Gly	Ser	Ser	Ser	Glu	Val	Pro	Cys	Ser	275	280	285
Leu	Pro	Gln	Arg	Leu	Ala	Gly	Arg	Asp	Leu	Lys	Arg	Leu	Ala	Ala	Asn	290	295	300
Asp	Leu	Gln	Gly	Cys	Ala	Val	Ala	Thr	Gly	Pro	Tyr	His	Pro	Ile	Trp	305	310	315
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Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
325 330 335

Gln Pro Asp Ala Ala Asp Lys Ala
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<210> 2

<211> 344

<212> PRT

<213> Rattus

<400> 2

Met Lys Arg Ala Ser Ser Gly Gly Ser Arg Leu Pro Thr Trp Val Leu
1 5 10 15

Trp Leu Gln Ala Trp Arg Val Ala Thr Pro Cys Pro Gly Ala Cys Val
20 25 30

Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Arg Pro Gln Gln Gly Leu
35 40 45

Gln Ala Val Pro Ala Gly Ile Pro Ala Ser Ser Gln Arg Ile Phe Leu
50 55 60

His Gly Asn Arg Ile Ser Tyr Val Pro Ala Ala Ser Phe Gln Ser Cys
65 70 75 80

Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Ala Leu Ala Gly Ile
85 90 95

Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu
100 105 110

Ser Asp Asn Ala Gln Leu Arg Val Val Asp Pro Thr Thr Phe Arg Gly
115 120 125

Leu Gly His Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
130 135 140

Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
145 150 155 160

Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro Asp Asn Thr Phe Arg Asp
165 170 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Pro Ser
180 185 190

Val Pro Glu His Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
195 200 205

Leu His Gln Asn His Val Ala Arg Val His Pro His Ala Phe Arg Asp
210 215 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Met
225 230 235 240

Leu Pro Ala Glu Val Leu Val Pro Leu Arg Ser Leu Gln Tyr Leu Arg
245 250 255

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
260 265 270

Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Gly Val Pro Ser Asn
275 280 285

Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Thr Ser
290 295 300

Asp Leu Glu Gly Cys Ala Val Ala Ser Gly Pro Phe Arg Pro Phe Gln
305 310 315 320

Thr Asn Gln Leu Thr Asp Glu Glu Leu Leu Gly Leu Pro Lys Cys Cys
325 330 335

Gln Pro Asp Ala Ala Asp Lys Ala
340

<210> 3
<211> 285
<212> PRT
<213> Homo sapiens

<400> 3

Pro Cys Pro Gly Ala Cys Val Cys Tyr Asn Glu Pro Lys Val Thr Thr
1 5 10 15

Ser Cys Pro Gln Gln Gly Leu Gln Ala Val Pro Val Gly Ile Pro Ala
20 25 30

Ala Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser His Val Pro
35 40 45

Ala Ala Ser Phe Arg Ala Cys Arg Asn Leu Thr Ile Leu Trp Leu His
50 55 60

Ser Asn Val Leu Ala Arg Ile Asp Ala Ala Ala Phe Thr Gly Leu Ala
65 70 75 80

Leu Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Ser Val
85 90 95

Asp Pro Ala Thr Phe His Gly Leu Gly Arg Leu His Thr Leu His Leu
100 105 110

Asp Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu
115 120 125

Ala Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Ala Leu Gln Ala Leu
130 135 140

Pro Asp Asp Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu
145 150 155 160

His Gly Asn Arg Ile Ser Ser Val Pro Glu Arg Ala Phe Arg Gly Leu
165 170 175

His Ser Leu Asp Arg Leu Leu Leu His Gln Asn Arg Val Ala His Val
180 185 190

His Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu
195 200 205

Phe Ala Asn Asn Leu Ser Ala Leu Pro Thr Glu Ala Leu Ala Pro Leu
210 215 220

Arg Ala Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp
225 230 235 240

Cys Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser

245

250

255

Ser Ser Glu Val Pro Cys Ser Leu Pro Gln Arg Leu Ala Gly Arg Asp
 260 265 270

Leu Lys Arg Leu Ala Ala Asn Asp Leu Gln Gly Cys Ala
 275 280 285

<210> 4

<211> 319

<212> PRT

<213> Homo sapiens

<400> 4

Pro Cys Pro Gly Ala Cys Val Cys Tyr Asn Glu Pro Lys Val Thr Thr
 1 5 10 15

Ser Cys Pro Gln Gln Gly Leu Gln Ala Val Pro Val Gly Ile Pro Ala
 20 25 30

Ala Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser His Val Pro
 35 40 45

Ala Ala Ser Phe Arg Ala Cys Arg Asn Leu Thr Ile Leu Trp Leu His
 50 55 60

Ser Asn Val Leu Ala Arg Ile Asp Ala Ala Ala Phe Thr Gly Leu Ala
 65 70 75 80

Leu Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Ser Val
 85 90 95

Asp Pro Ala Thr Phe His Gly Leu Gly Arg Leu His Thr Leu His Leu
 100 105 110

Asp Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu
 115 120 125

Ala Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Ala Leu Gln Ala Leu
 130 135 140

Pro Asp Asp Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu
 145 150 155 160

His Gly Asn Arg Ile Ser Ser Val Pro Glu Arg Ala Phe Arg Gly Leu
165 170 175

His Ser Leu Asp Arg Leu Leu Leu His Gln Asn Arg Val Ala His Val
180 185 190

His Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu
195 200 205

Phe Ala Asn Asn Leu Ser Ala Leu Pro Thr Glu Ala Leu Ala Pro Leu
210 215 220

Arg Ala Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp
225 230 235 240

Cys Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser
245 250 255

Ser Ser Glu Val Pro Cys Ser Leu Pro Gln Arg Leu Ala Gly Arg Asp
260 265 270

Leu Lys Arg Leu Ala Ala Asn Asp Leu Gln Gly Cys Ala Val Ala Thr
275 280 285

Gly Pro Tyr His Pro Ile Trp Thr Gly Arg Ala Thr Asp Glu Glu Pro
290 295 300

Leu Gly Leu Pro Lys Cys Cys Gln Pro Asp Ala Ala Asp Lys Ala
305 310 315

<210> 5

<211> 284

<212> PRT

<213> Rattus

<400> 5

Cys Pro Gly Ala Cys Val Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser
1 5 10 15

Arg Pro Gln Gln Gly Leu Gln Ala Val Pro Ala Gly Ile Pro Ala Ser
20 25 30

Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser Tyr Val Pro Ala

35

40

45

Ala Ser Phe Gln Ser Cys Arg Asn Leu Thr Ile Leu Trp Leu His Ser
 50 55 60

Asn Ala Leu Ala Gly Ile Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu
 65 70 75 80

Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Val Val Asp
 85 90 95

Pro Thr Thr Phe Arg Gly Leu Gly His Leu His Thr Leu His Leu Asp
 100 105 110

Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala
 115 120 125

Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro
 130 135 140

Asp Asn Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu His
 145 150 155 160

Gly Asn Arg Ile Pro Ser Val Pro Glu His Ala Phe Arg Gly Leu His
 165 170 175

Ser Leu Asp Arg Leu Leu Leu His Gln Asn His Val Ala Arg Val His
 180 185 190

Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe
 195 200 205

Ala Asn Asn Leu Ser Met Leu Pro Ala Glu Val Leu Val Pro Leu Arg
 210 215 220

Ser Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp Cys
 225 230 235 240

Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser
 245 250 255

Ser Gly Val Pro Ser Asn Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu
 260 265 270

Lys Arg Leu Ala Thr Ser Asp Leu Glu Gly Cys Ala
275 280

<210> 6
<211> 318
<212> PRT
<213> Rattus

<400> 6

Cys Pro Gly Ala Cys Val Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser
1 5 10 15

Arg Pro Gln Gln Gly Leu Gln Ala Val Pro Ala Gly Ile Pro Ala Ser
20 25 30

Ser Gln Arg Ile Phe Leu His Gly Asn Arg Ile Ser Tyr Val Pro Ala
35 40 45

Ala Ser Phe Gln Ser Cys Arg Asn Leu Thr Ile Leu Trp Leu His Ser
50 55 60

Asn Ala Leu Ala Gly Ile Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu
65 70 75 80

Leu Glu Gln Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg Val Val Asp
85 90 95

Pro Thr Thr Phe Arg Gly Leu Gly His Leu His Thr Leu His Leu Asp
100 105 110

Arg Cys Gly Leu Gln Glu Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala
115 120 125

Ala Leu Gln Tyr Leu Tyr Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro
130 135 140

Asp Asn Thr Phe Arg Asp Leu Gly Asn Leu Thr His Leu Phe Leu His
145 150 155 160

Gly Asn Arg Ile Pro Ser Val Pro Glu His Ala Phe Arg Gly Leu His
165 170 175

Ser Leu Asp Arg Leu Leu Leu His Gln Asn His Val Ala Arg Val His
180 185 190

Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe
195 200 205

Ala Asn Asn Leu Ser Met Leu Pro Ala Glu Val Leu Val Pro Leu Arg
210 215 220

Ser Leu Gln Tyr Leu Arg Leu Asn Asp Asn Pro Trp Val Cys Asp Cys
225 230 235 240

Arg Ala Arg Pro Leu Trp Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser
245 250 255

Ser Gly Val Pro Ser Asn Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu
260 265 270

Lys Arg Leu Ala Thr Ser Asp Leu Glu Gly Cys Ala Val Ala Ser Gly
275 280 285

Pro Phe Arg Pro Phe Gln Thr Asn Gln Leu Thr Asp Glu Glu Leu Leu
290 295 300

Gly Leu Pro Lys Cys Cys Gln Pro Asp Ala Ala Asp Lys Ala
305 310 315

<210> 7

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic antibody

<400> 7

Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu Ser
1 5 10 15

Asp Asn Ala Gln Leu Arg
20

<210> 8

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic antibody

<400> 8

Leu Asp Leu Ser Asp Asn Ala Gln Leu Arg
1 5 10

<210> 9

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic antibody

<400> 9

Leu Asp Leu Ser Asp Asp Ala Glu Leu Arg
1 5 10

<210> 10

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> Synthetic antibody

<400> 10

Leu Asp Leu Ala Ser Asp Asn Ala Gln Leu Arg
1 5 10